



Photo credit:
Larry Kelley

Energy Partnership with SunEdison

Town of Amherst
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Agenda

- SunEdison Overview
- Evaluation Performed
- Overview of Landfill Solar
- Proposal for Amherst



Company Highlights

Largest Renewable Energy Company in the World

- Wind and solar energy
- Over 1,300 solar power plants online
- 3.5 GW of renewable electricity deployed
- Active in residential, commercial scale projects

Leader in Solar Innovation

- Involved in all aspects of project development
- In-house financing reduces financing risk
- On forefront of brownfield development and community solar development
- In-house O&M teams monitor all operations centers



We develop, build, finance, and operate renewable energy plants to provide our customers electricity at predictable prices below grid rates.

PowerOptions / SunEdison Partnership

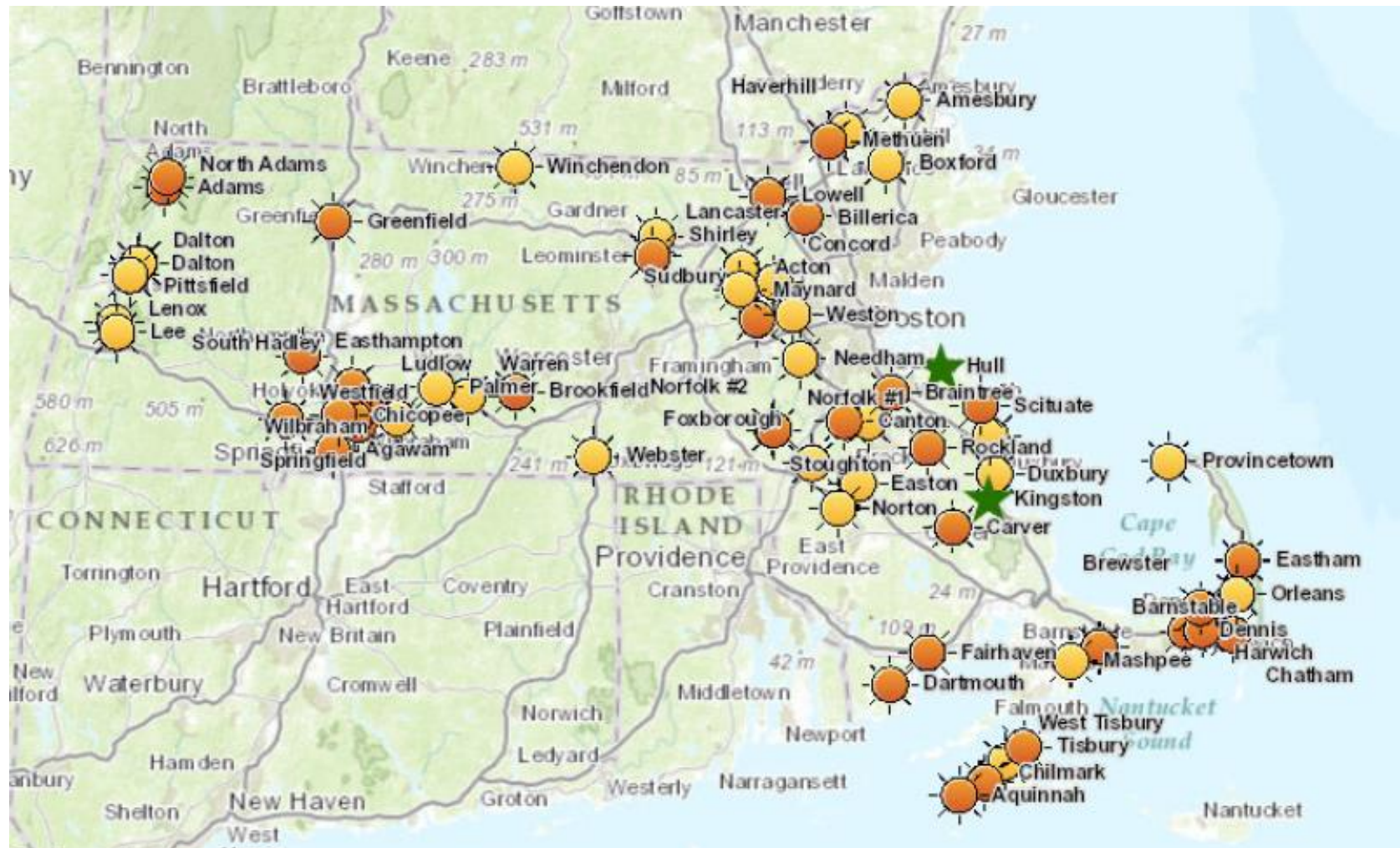
- SunEdison is PowerOptions' solar energy partner
 - Competitive RFP Procurement Process resulted in selection of SunEdison as Preferred Solar Partner
- Procurement performed through M.G.L. Ch.164, S.137
 - Members avoid cost/time of solicitation and contract negotiation
 - Pre-negotiated, best-in-industry contract terms
 - At this point in Solar Industry, reduces risk of projects falling out of current incentive program
- PPA provides valuable long-term energy price hedge and portfolio diversification benefits.
- SunEdison manages all project design, financing, construction, project monitoring and future Operation & Maintenance obligations.

Amherst Site Evaluation Performed

- **School Rooftops**
 - Crocker Farm Elementary – roof age a major concern and system size small for financing
 - Fort River Elementary – roof age/condition prohibitive of development
 - Wildwood Elementary – roof age a major concern and system size small for financing
 - Regional High School – separate legal entity from town; solar potential feasible, but small; canopies overly expensive for significant value
- **Water Department Sites**
 - Wastewater treatment plant – Master plans for site prohibitive of on-site solar
 - Baby Carriage Rd. Pump – Surrounding area largely wetland prohibiting solar development
- **Old and New Landfill**
 - Both viable sites for largescale ground-mounted arrays

Old and New Landfills determined solar-viable sites in Town

Landfill development in Massachusetts

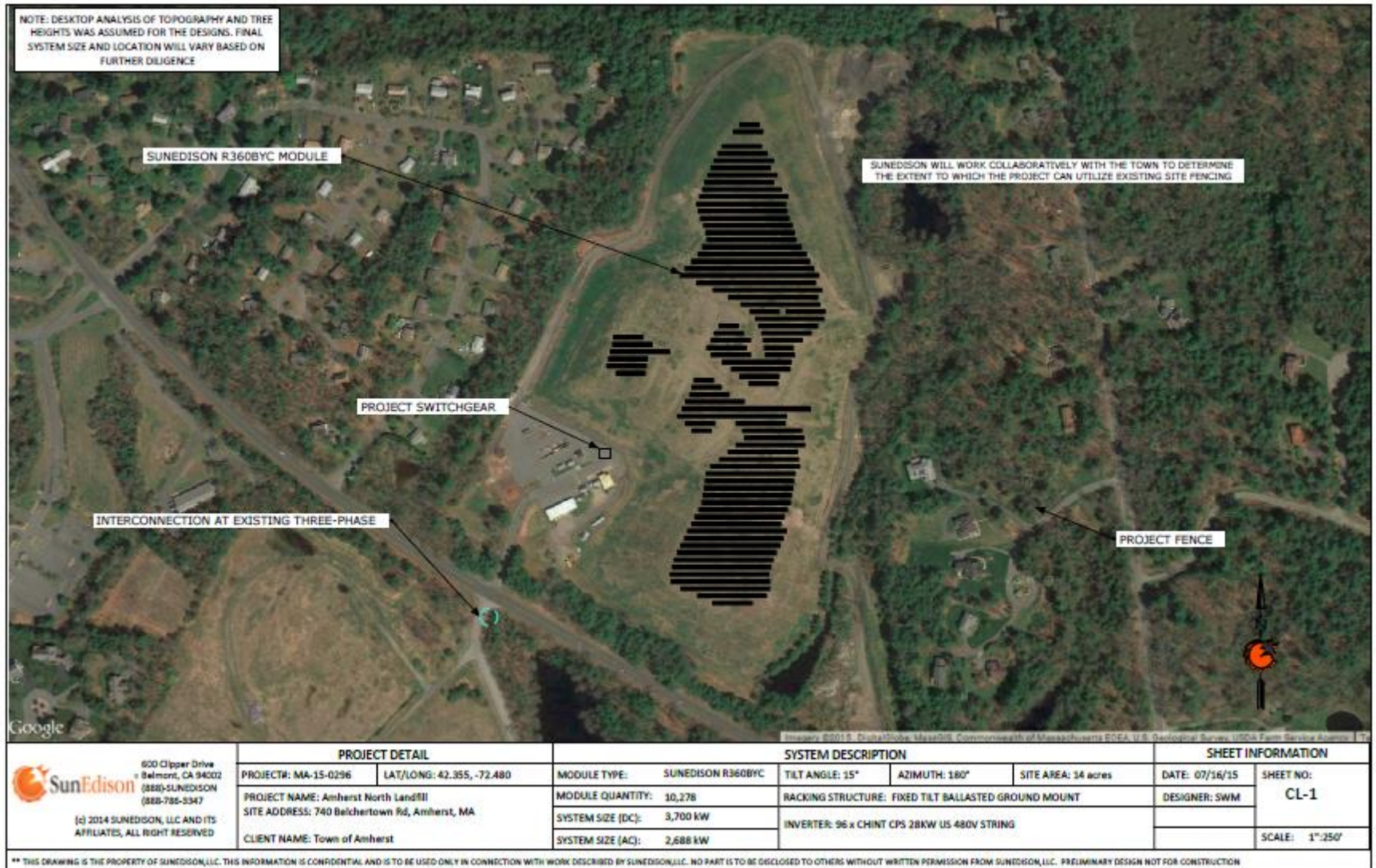


Significant amount of renewable energy development on Massachusetts Landfills

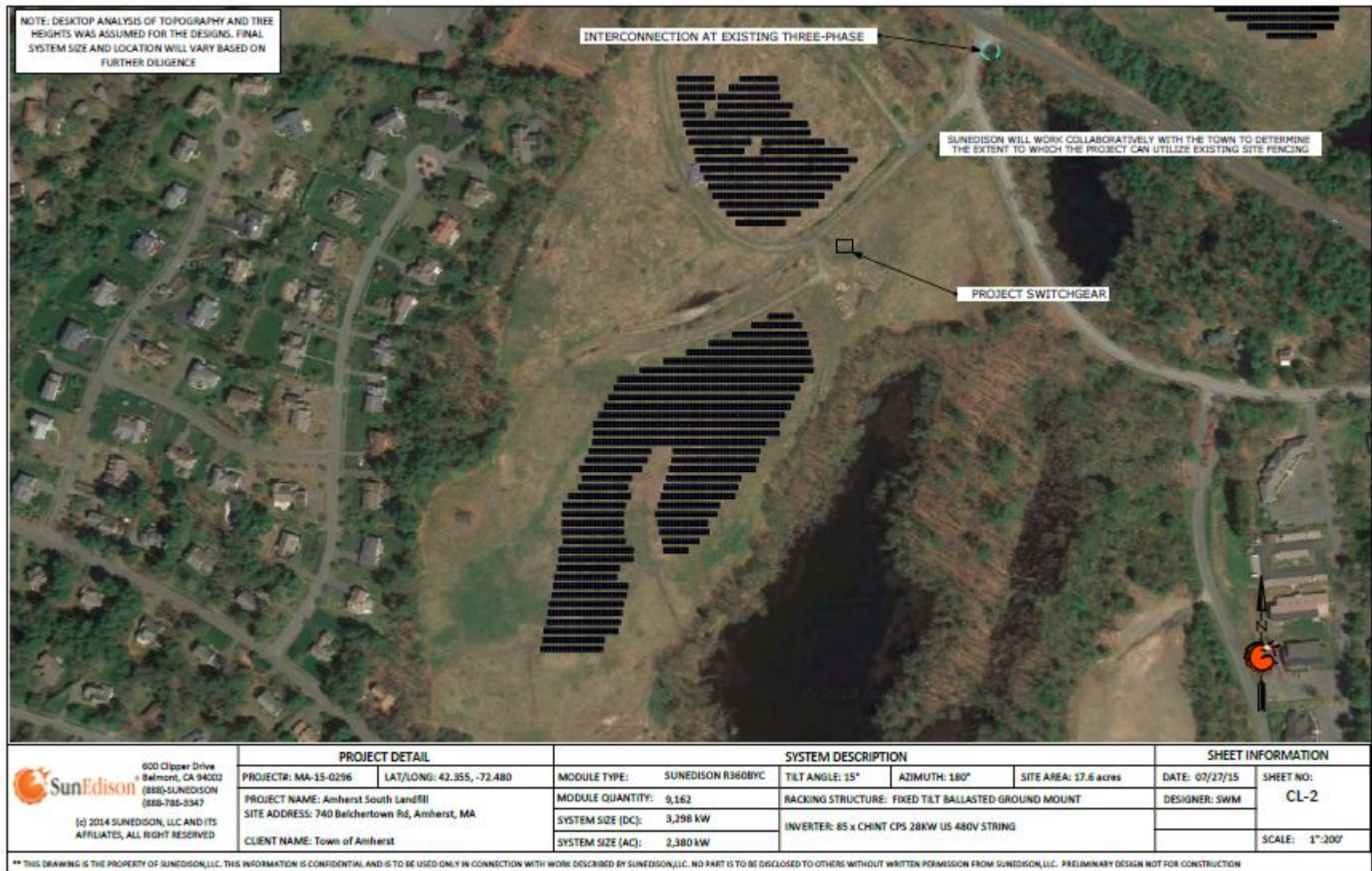
SunEdison Landfill/Brownfield Experience

- SunEdison has significant success in Developing, Financing, and Operating PV systems for landfill, brownfield, and Superfund sites.
- Very experienced in working in-house and with consultants to negotiate the Post Closure Use Permit process
- Operational Landfill systems in Massachusetts, Maryland, New Jersey, and Colorado. Additional projects in 2015 construction queue in New York.
 - Partnering with New York City to develop a 10 MW at Freshkills Park, a landfill closed in 2001. This is slated for construction in 2015 and will be the City's largest solar project to date.
 - We total over 7.5 MW of operational Landfill projects, and over 30 MW in development.
- Accomplishments in Massachusetts include:
 - Greenfield Landfill, completed 2012
 - Sullivan's Ledge Superfund Site in New Bedford, completed 2014

Amherst “New” Landfill – Potential Layout



Amherst “Old” Landfill – Potential Layout



Structure of Agreement

- “New” Landfill:
 - Power Purchase Agreement between Town of Amherst and SunEdison for 3.7MW array
 - No money paid until system is operational
 - Expected to result in \$128,000 in year 1 savings in addition to \$45,000+ in annual tax revenues for Town.
 - Total value for Amherst in the range of \$2.5M+ over 20 years
- “Old” Landfill:
 - Structure and value are based on path forward with options including:
 - 3.3 MW installation with Power Purchase Agreement benefitting Town and Regional School District
 - 1.7MW installation benefitting only Town of Amherst
 - 2.8MW “Community Solar” installation benefitting Town of Amherst and ~250-300 local homeowners

Project Approach/Timeline

Contracts

1-2 Mos.

- Market standard contact terms
- Town and SunEdison execution
- Key long-lead time development items kicked off (e.g. IC application)

Permitting

6-7 Mos.

- All permitting completed by SunEdison and best-in class contractors
- Strong experience navigating PCUP process
- Interconnection application process run in parallel

Design & Eng.

1-2 Mos.

- Experienced in-house design team
- Third-party verification and stamps
- Construction engineering completed in-house with best-in class products, design standards

Construction

3-4 Mos.

- Experienced Project Managers
- Close coordination with Town

Operations

Life of Project

- 3rd Party commissioning
- SEEDs monitoring solutions and SunEdison Connect portal
- Local operations and maintenance resources

